

09857099_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09857099 on April 11, 2005

53 455/186.1 (12 OR, 41 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/185.1 ...With channel information storage
 455/186.1With memory control or programming

19 455/184.1 (1 OR, 18 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/184.1 ...With comparing desired and existing tuning
 conditions

15 455/161.3 (6 OR, 9 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/161.1 ..Frequency scanning
 455/161.3 ...Using signal strength or quality

15 455/45 (3 OR, 12 XR)
 Class 455 : TELECOMMUNICATIONS
 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
 455/42 .Frequency or phase modulation
 455/45 ..Via subcarrier

14 455/165.1 (6 OR, 8 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/161.1 ..Frequency scanning

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- 455/165.1 ...With frequency synthesizer
- 13 455/183.1 (2 OR, 11 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/183.1 ...With frequency synthesizer
- 12 348/725 (3 OR, 9 XR)
 Class 348 : TELEVISION
 348/725 RECEIVER CIRCUITRY
- 12 455/2.01 (10 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/2.01 AUDIENCE SURVEY OR PROGRAM DISTRIBUTION USE
 ACCOUNTING
- 11 348/731 (5 OR, 6 XR)
 Class 348 : TELEVISION
 348/725 RECEIVER CIRCUITRY
 348/731 .Tuning
- 11 455/166.2 (3 OR, 8 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/161.1 ..Frequency scanning
 455/166.1 ...With channel skipping selection
 455/166.2 With priority channel selection
- 10 455/194.1 (3 OR, 7 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/194.1 ..With muting (e.g., silent tuning)
- 10 455/260 (2 OR, 8 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/230 .Local control of receiver operation

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455/255 ..Local oscillator frequency control
 455/257 ...Automatic
 455/258Utilizing particular local oscillator
 control
 455/259Reference oscillator or source
 455/260Phase lock loop or frequency synthesizer

10 725/18 (4 OR, 6 XR)
 Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
 725/9 USE SURVEYING OR MONITORING (E.G., PROGRAM OR
 CHANNEL WATCHED)
 725/14 .By passively monitoring receiver operation
 725/18 ..By use of audio signal

9 381/15 (5 OR, 4 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/1 BINAURAL AND STEREOPHONIC
 381/2 .Broadcast or multiplex stereo
 381/15 ..AM or both AM and angle final modulation

9 455/161.2 (7 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/161.1 ..Frequency scanning
 455/161.2 ...With processor control

9 455/186.2 (1 OR, 8 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/185.1 ...With channel information storage
 455/186.1With memory control or programming
 455/186.2Having a keyboard

8 455/158.5 (3 OR, 5 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)

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- 455/154.1 ..With indication of frequency, channel, or
 selector condition (e.g., tuning aid)
- 455/158.1 ...Channel index indication
- 455/158.5 Non-numeric display (e.g., call letters)

- 8 455/166.1 (3 OR, 5 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/161.1 ..Frequency scanning
 455/166.1 ...With channel skipping selection

- 8 725/14 (6 OR, 2 XR)
 Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
 725/9 USE SURVEYING OR MONITORING (E.G., PROGRAM OR
 CHANNEL WATCHED)
 725/14 .By passively monitoring receiver operation

- 7 455/158.4 (1 OR, 6 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/154.1 ..With indication of frequency, channel, or
 selector condition (e.g., tuning aid)
 455/158.1 ...Channel index indication
 455/158.4 With multiple display functions

- 7 455/182.1 (5 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/182.1 ...With frequency control

- 7 455/185.1 (0 OR, 7 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/185.1 ...With channel information storage

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7 455/345 (0 OR, 7 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/344 .Combined with diverse art device
 455/345 ..With vehicle

6 348/555 (2 OR, 4 XR)
 Class 348 : TELEVISION
 348/553 BASIC RECEIVER WITH ADDITIONAL FUNCTION
 348/554 .Multimode (e.g., composite, Y, C; baseband RF
)
 348/555 ..For receiving more than one format at will
 (e.g., NTSC/PAL)

6 455/154.1 (0 OR, 6 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/154.1 ..With indication of frequency, channel, or
 selector condition (e.g., tuning aid)

6 455/180.1 (2 OR, 4 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/180.1 ...Combined with band selection

6 455/182.2 (1 OR, 5 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/182.1 ...With frequency control
 455/182.2Automatic (AFC)

6 455/188.1 (0 OR, 6 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY

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CONVERTER

455/150.1 .Signal selection based on frequency (e.g., tuning)

455/188.1 ..Band selection

6 455/192.2 (2 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/150.1 .Signal selection based on frequency (e.g., tuning)

455/192.1 ..With frequency control

455/192.2 ...Automatic (AFC)

6 455/344 (2 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER

455/344 .Combined with diverse art device

5 348/473 (3 OR, 2 XR)

Class 348 : TELEVISION

348/469 FORMAT

348/473 .Including additional information

5 348/726 (1 OR, 4 XR)

Class 348 : TELEVISION

348/725 RECEIVER CIRCUITRY

348/726 .Demodulator

5 348/729 (2 OR, 3 XR)

Class 348 : TELEVISION

348/725 RECEIVER CIRCUITRY

348/729 .Television receiver adapted to receive radio broadcast or in combination with radio receiver

5 348/735 (0 OR, 5 XR)

Class 348 : TELEVISION

348/725 RECEIVER CIRCUITRY

348/735 .Automatic frequency control

5 381/2 (2 OR, 3 XR)

Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES

381/1 BINAURAL AND STEREOPHONIC

381/2 .Broadcast or multiplex stereo

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- 5 455/103 (0 OR, 5 XR)
 Class 455 : TELECOMMUNICATIONS
 455/91 TRANSMITTER
 455/103 .Plural separate transmitters or channels
- 5 455/154.2 (2 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/154.1 ..With indication of frequency, channel, or
 selector condition (e.g., tuning aid)
 455/154.2 ...Scanning display
- 5 455/158.2 (0 OR, 5 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/154.1 ..With indication of frequency, channel, or
 selector condition (e.g., tuning aid)
 455/158.1 ...Channel index indication
 455/158.2With electronic digital indication
- 5 455/160.1 (2 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/160.1 ..Plural tuning modes (e.g., manual and
 scanning, etc.)
- 5 455/181.1 (3 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/181.1 ...Time controlled
- 5 455/351 (0 OR, 5 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER

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455/347 .Cabinet, housing, or chassis structure
455/351 ..Transportable

5 455/66.1 (4 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/66.1 .Having diverse art device

5 455/67.11 (0 OR, 5 XR)
Class 455 : TELECOMMUNICATIONS
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/67.11 .Having measuring, testing, or monitoring of
system or part

5 725/122 (0 OR, 5 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM
COMMUNICATION
725/118 .Transmission network
725/121 ..Return path
725/122 ...Return path via telephone network

5 725/131 (1 OR, 4 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM
COMMUNICATION
725/131 .Receiver (e.g., set-top box)

4 331/1A (1 OR, 3 XR)
Class 331 : OSCILLATORS
331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHAS
E
OR FREQUENCY SENSING MEANS
331/1A .AFC with logic elements

4 348/558 (0 OR, 4 XR)
Class 348 : TELEVISION
348/553 BASIC RECEIVER WITH ADDITIONAL FUNCTION
348/554 .Multimode (e.g., composite, Y, C; baseband RF
)

348/558 ..Format detection

4 348/570 (1 OR, 3 XR)
Class 348 : TELEVISION
348/553 BASIC RECEIVER WITH ADDITIONAL FUNCTION

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348/563 .For display of additional information
 348/569 ..Receiver indicator (e.g., on screen display)

348/570 ...Tuning indication

4 370/312 (2 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS
 370/310 COMMUNICATION OVER FREE SPACE
 370/312 .Message addressed to multiple destinations

4 375/316 (2 OR, 2 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS

4 455/102 (1 OR, 3 XR)

Class 455 : TELECOMMUNICATIONS
 455/91 TRANSMITTER
 455/102 .Plural modulation

4 455/132 (1 OR, 3 XR)

Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/132 .Plural receivers

4 455/142 (2 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/142 .Convertible to different type (e.g., AM to FM

4 455/158.1 (0 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/154.1 ..With indication of frequency, channel, or
 selector condition (e.g., tuning aid)
 455/158.1 ...Channel index indication

4 455/161.1 (2 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,

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tuning)

455/161.1 ..Frequency scanning

4 455/164.1 (3 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/150.1 .Signal selection based on frequency (e.g.,
tuning)

455/161.1 ..Frequency scanning

455/164.1 ...With automatic frequency control

4 455/168.1 (0 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/150.1 .Signal selection based on frequency (e.g.,
tuning)

455/161.1 ..Frequency scanning

455/168.1 ...Multiband

4 455/179.1 (1 OR, 3 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/150.1 .Signal selection based on frequency (e.g.,
tuning)

455/179.1 ..Channel or station selection

4 455/193.1 (4 OR, 0 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/150.1 .Signal selection based on frequency (e.g.,
tuning)

455/193.1 ..With antenna circuit tuning

4 455/212 (0 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/205 .Frequency or phase modulation

455/212 ..With squelch or other audio output silencing

4 455/214 (0 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY

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CONVERTER

- 455/205 .Frequency or phase modulation
- 455/214 ..With particular discriminator or detector

- 4 455/228 (4 OR, 0 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/227 .Responsive to an input signal of particular predetermined frequency
 - 455/228 ..Responsive to specified modulation (e.g., call alarm, Conelrad)

- 4 455/249.1 (1 OR, 3 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/230 .Local control of receiver operation
 - 455/232.1 ..Gain control
 - 455/234.1 ...Automatic
 - 455/249.1Variable attenuator type

- 4 455/566 (0 OR, 4 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G. TRANSCEIVER)
 - 455/550.1 .Radiotelephone equipment detail
 - 455/566 ..Having display

- 4 455/67.13 (0 OR, 4 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
 - 455/67.11 .Having measuring, testing, or monitoring of system or part
 - 455/67.13 ..Noise, distortion, or unwanted signal detection (e.g., quality control, etc.)

- 4 725/21 (0 OR, 4 XR)
 - Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
 - 725/9 USE SURVEYING OR MONITORING (E.G., PROGRAM OR CHANNEL WATCHED)
 - 725/14 .By passively monitoring receiver operation
 - 725/21 ..Combined with detecting VCR operation

- 4 725/9 (0 OR, 4 XR)
 - Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS

725/9

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USE SURVEYING OR MONITORING (E.G., PROGRAM OR
CHANNEL WATCHED)

- 3 333/235 (1 OR, 2 XR)
Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
333/219 RESONATORS (DISTRIBUTED PARAMETER TYPE)
333/235 .With tuning
- 3 334/15 (0 OR, 3 XR)
Class 334 : TUNERS
334/11 TUNER UNIT DIRECTLY RESPONSIVE TO VOLTAGE
AND/OR CURRENT VARIATION
334/14 .Reactance tuning
334/15 ..Semiconductor reactance circuit
- 3 334/86 (0 OR, 3 XR)
Class 334 : TUNERS
334/86 WITH INDICATOR
- 3 343/713 (2 OR, 1 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/711 .With vehicle
343/713 ..Supported by vehicle body
- 3 343/744 (1 OR, 2 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/741 .High frequency type loops
343/744 ..With series reactance in loop
- 3 343/748 (1 OR, 2 XR)
Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/745 .With variable reactance for tuning antenna
343/748 ..Loop type
- 3 348/554 (0 OR, 3 XR)
Class 348 : TELEVISION
348/553 BASIC RECEIVER WITH ADDITIONAL FUNCTION
348/554 .Multimode (e.g., composite, Y, C; baseband RF
)
- 3 348/724 (2 OR, 1 XR)
Class 348 : TELEVISION
348/723 TELEVISION TRANSMITTER CIRCUITRY
348/724 .Modulator

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- 3 348/733 (3 OR, 0 XR)
 Class 348 : TELEVISION
 348/725 RECEIVER CIRCUITRY
 348/731 .Tuning
 348/733 ..Tuning voltage
- 3 370/343 (1 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/310 COMMUNICATION OVER FREE SPACE
 370/343 .Combining or distributing information via
 frequency channels
- 3 370/528 (0 OR, 3 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/473 ..Transmission of a single message having
 multiple packets
 370/498 .Combining or distributing information via tim
 e
 channels
 370/522 ..Signaling (ancillary to main information)
 370/528 ...Inserted in gaps in main information
- 3 380/236 (1 OR, 2 XR)
 Class 380 : CRYPTOGRAPHY
 380/200 VIDEO CRYPTOGRAPHY
 380/210 .Video electric signal modification (e.g.,
 scrambling)
 380/236 ..Modifying accompanying audio signal
- 3 381/16 (3 OR, 0 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/1 BINAURAL AND STEREOPHONIC
 381/2 .Broadcast or multiplex stereo
 381/15 ..AM or both AM and angle final modulation
 381/16 ...Having transmitter
- 3 455/133 (1 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/132 .Plural receivers
 455/133 ..With output selecting
- 3 455/150.1 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY

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CONVERTER

- 455/150.1 .Signal selection based on frequency (e.g., tuning)
- 3 455/152.1 (0 OR, 3 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/150.1 .Signal selection based on frequency (e.g., tuning)
 - 455/151.1 ..Remote control of channel or station selection
 - 455/152.1 ...Of or combined with vehicle receiver
- 3 455/158.3 (3 OR, 0 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/150.1 .Signal selection based on frequency (e.g., tuning)
 - 455/154.1 ..With indication of frequency, channel, or selector condition (e.g., tuning aid)
 - 455/158.1 ...Channel index indication
 - 455/158.2With electronic digital indication
 - 455/158.3Using a counter
- 3 455/175.1 (2 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/150.1 .Signal selection based on frequency (e.g., tuning)
 - 455/170.1 ..With mechanical or electromechanical selection
 - 455/175.1 ...With carrier wave preset
- 3 455/176.1 (1 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/150.1 .Signal selection based on frequency (e.g., tuning)
 - 455/170.1 ..With mechanical or electromechanical selection
 - 455/176.1 ...Combined with band selection
- 3 455/182.3 (1 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS

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455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER

455/150.1 .Signal selection based on frequency (e.g.,
 tuning)

455/179.1 ..Channel or station selection

455/182.3 ...Fine tuning

3 455/183.2 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER

455/150.1 .Signal selection based on frequency (e.g.,
 tuning)

455/179.1 ..Channel or station selection

455/183.1 ...With frequency synthesizer

455/183.2 Processor controlled

3 455/192.1 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER

455/150.1 .Signal selection based on frequency (e.g.,
 tuning)

455/192.1 ..With frequency control

3 455/195.1 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER

455/150.1 .Signal selection based on frequency (e.g.,
 tuning)

455/195.1 ..Variable voltage or current tuning

3 455/208 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER

455/205 .Frequency or phase modulation

455/208 ..With synchronized or controlled local
 oscillator

3 455/219 (1 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER

455/218 .Squelch

455/219 ..With automatic gain or volume control

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- 3 455/226.4 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/226.1 .Measuring or testing of receiver
 455/226.4 ..With meter or indicator
- 3 455/254 (1 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/230 .Local control of receiver operation
 455/254 ..Sensitivity control
- 3 455/315 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/313 .Frequency modifying or conversion
 455/314 ..Plural separate successive conversions
 455/315 ...With plural separate local oscillators
- 3 455/347 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/347 .Cabinet, housing, or chassis structure
- 3 455/350 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/347 .Cabinet, housing, or chassis structure
 455/350 ..With particular speaker mounting
- 3 455/418 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/403 RADIOTELEPHONE SYSTEM
 455/418 .Programming control
- 3 455/501 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
 455/500 .Plural transmitters or receivers (i.e., more
 than two stations)
 455/501 ..Noise, distortion, or singing reduction

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3 455/59 (1 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/59 .Single message via plural carrier wave
 transmission

3 725/22 (1 OR, 2 XR)
 Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
 725/22 COMMERCIAL OR PROGRAM AIRING VERIFICATION
 SYSTEM

2 331/16 (0 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHAS

E

OR FREQUENCY SENSING MEANS
 331/16 .Tuning compensation

2 331/177V (0 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/177R WITH FREQUENCY ADJUSTING MEANS
 331/177V .With voltage sensitive capacitor

2 331/18 (0 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHAS

E

OR FREQUENCY SENSING MEANS
 331/18 .With reference oscillator or source

2 331/25 (0 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHAS

E

OR FREQUENCY SENSING MEANS
 331/18 .With reference oscillator or source
 331/25 ..Signal or phase comparator

2 340/825.72 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/825.71 .Frequency responsive actuation
 340/825.72 ..Wireless link

2 340/902 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

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R

ALARM

340/902 .Transmitter in another vehicle (e.g.,
emergency vehicle)

2 340/905 (0 OR, 2 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
340/901 EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR O

R

ALARM

340/905 .Highway information (e.g., weather, speed
limits, etc.)

2 343/718 (1 OR, 1 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
343/700R ANTENNAS
343/718 .Body-attached or connected

2 348/607 (1 OR, 1 XR)

Class 348 : TELEVISION
348/571 IMAGE SIGNAL PROCESSING CIRCUITRY SPECIFIC TO
TELEVISION
348/607 .Noise or undesired signal reduction

2 348/734 (0 OR, 2 XR)

Class 348 : TELEVISION
348/725 RECEIVER CIRCUITRY
348/734 .Remote control

2 369/7 (1 OR, 1 XR)

Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/1 COMBINED INDEPENDENT AUDIO SYSTEMS
369/6 .Radio
369/7 ..Including recording from radio

2 370/204 (1 OR, 1 XR)

Class 370 : MULTIPLEX COMMUNICATIONS
370/203 GENERALIZED ORTHOGONAL OR SPECIAL MATHEMATICAL
TECHNIQUES
370/204 .Plural diverse modulation techniques

2 370/330 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS
370/310 COMMUNICATION OVER FREE SPACE
370/328 .Having a plurality of contiguous regions
served by respective fixed stations
370/329 ..Channel assignment
370/330 ...Having both time and frequency assignment

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2 370/345 (1 OR, 1 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/310 COMMUNICATION OVER FREE SPACE
 370/345 .Combining or distributing information via tim

e

channels

2 370/436 (0 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/431 CHANNEL ASSIGNMENT TECHNIQUES
 370/436 .Combined time and frequency assignment

2 370/484 (0 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/473 ..Transmission of a single message having
 multiple packets
 370/480 .Combining or distributing information via
 frequency channels
 370/484 ..Digital analysis or synthesis of a group

2 370/486 (1 OR, 1 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/473 ..Transmission of a single message having
 multiple packets
 370/480 .Combining or distributing information via
 frequency channels
 370/485 ..Subscriber carrier
 370/486 ...Program distribution

2 370/496 (1 OR, 1 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/473 ..Transmission of a single message having
 multiple packets
 370/480 .Combining or distributing information via
 frequency channels
 370/496 ..Signaling

2 370/527 (0 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/473 ..Transmission of a single message having
 multiple packets
 370/498 .Combining or distributing information via tim

e

channels

370/522 ..Signaling (ancillary to main information)
 370/527 ...Superimposed or modulated on principal
 information

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2 375/216 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/216 APPARATUS CONVERTIBLE TO ANALOG

2 375/260 (1 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT
 375/260 .Plural channels for transmission of a single
 pulse train

2 375/371 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/371 .Phase displacement, slip or jitter correction

2 375/373 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/371 .Phase displacement, slip or jitter correction
 375/373 ..Phase locking

2 375/375 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/371 .Phase displacement, slip or jitter correction
 375/373 ..Phase locking
 375/375 ...With frequency detector and phase detector

2 375/376 (1 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/371 .Phase displacement, slip or jitter correction
 375/373 ..Phase locking
 375/376 ...Phase locked loop

2 379/92.04 (1 OR, 1 XR)
 Class 379 : TELEPHONIC COMMUNICATIONS
 379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE
 ELECTRICAL SYSTEM OR SIGNALLING (E.G., CO
 MPOSITE)
 379/92.01 .Polling

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379/92.04 ..Having subscriber station equipment

- 2 380/200 (2 OR, 0 XR)
 Class 380 : CRYPTOGRAPHY
 380/200 VIDEO CRYPTOGRAPHY
- 2 380/220 (0 OR, 2 XR)
 Class 380 : CRYPTOGRAPHY
 380/200 VIDEO CRYPTOGRAPHY
 380/210 .Video electric signal modification (e.g.,
 scrambling)
 380/220 ..Carrier frequency conversion
- 2 381/107 (2 OR, 0 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/104 INCLUDING AMPLITUDE OR VOLUME CONTROL
 381/107 .Automatic
- 2 381/123 (0 OR, 2 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/123 SWITCHING
- 2 381/14 (1 OR, 1 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/1 BINAURAL AND STEREOPHONIC
 381/2 .Broadcast or multiplex stereo
 381/3 ..FM final modulation
 381/4 ...AM subcarrier
 381/14Having transmitter
- 2 381/3 (0 OR, 2 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/1 BINAURAL AND STEREOPHONIC
 381/2 .Broadcast or multiplex stereo
 381/3 ..FM final modulation
- 2 381/4 (0 OR, 2 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/1 BINAURAL AND STEREOPHONIC
 381/2 .Broadcast or multiplex stereo
 381/3 ..FM final modulation
 381/4 ...AM subcarrier

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- 2 381/79 (0 OR, 2 XR)
 - Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
 - 381/77 ONE-WAY AUDIO SIGNAL PROGRAM DISTRIBUTION
 - 381/79 .Near field
- 2 386/106 (0 OR, 2 XR)
 - Class 386 : TELEVISION SIGNAL PROCESSING FOR DYNAMIC RECORDING OR REPRODUCING
 - 386/46 PROCESSING OF TELEVISION SIGNAL FOR DYNAMIC RECORDING OR REPRODUCING
 - 386/95 .Having another signal
 - 386/96 ..Audio signal
 - 386/106 ...Disc
- 2 386/96 (0 OR, 2 XR)
 - Class 386 : TELEVISION SIGNAL PROCESSING FOR DYNAMIC RECORDING OR REPRODUCING
 - 386/46 PROCESSING OF TELEVISION SIGNAL FOR DYNAMIC RECORDING OR REPRODUCING
 - 386/95 .Having another signal
 - 386/96 ..Audio signal
- 2 455/12.1 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/7 CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E., RETRANSMISSION OF SAME INFORMATION)
 - 455/11.1 .Portable or mobile repeater
 - 455/12.1 ..Space satellite
- 2 455/145 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/145 .Panoramic display
- 2 455/151.1 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/150.1 .Signal selection based on frequency (e.g., tuning)
 - 455/151.1 ..Remote control of channel or station selection
- 2 455/169.1 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY

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CONVERTER

- 455/150.1 .Signal selection based on frequency (e.g., tuning)
- 455/161.1 ..Frequency scanning
- 455/169.1 ...With particular variable voltage or current tuning

- 2 455/169.2 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/150.1 .Signal selection based on frequency (e.g., tuning)
 - 455/161.1 ..Frequency scanning
 - 455/169.1 ...With particular variable voltage or current tuning
 - 455/169.2With varactor diode

- 2 455/180.2 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/150.1 .Signal selection based on frequency (e.g., tuning)
 - 455/179.1 ..Channel or station selection
 - 455/180.1 ...Combined with band selection
 - 455/180.2UHF and VHF

- 2 455/189.1 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/150.1 .Signal selection based on frequency (e.g., tuning)
 - 455/188.1 ..Band selection
 - 455/189.1 ...With plural separate mixer or converter circuits

- 2 455/197.1 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/150.1 .Signal selection based on frequency (e.g., tuning)
 - 455/196.1 ..Including variation of local oscillator frequency
 - 455/197.1 ...By simultaneous control with signal selection

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- 2 455/200.1 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/200.1 ..With other control (e.g., volume, gain,
 bandwidth, etc.)
- 2 455/226.1 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/226.1 .Measuring or testing of receiver
- 2 455/226.2 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/226.1 .Measuring or testing of receiver
 455/226.2 ..Signal strength
- 2 455/234.1 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/230 .Local control of receiver operation
 455/232.1 ..Gain control
 455/234.1 ...Automatic
- 2 455/246.1 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/230 .Local control of receiver operation
 455/232.1 ..Gain control
 455/234.1 ...Automatic
 455/246.1 Responsive to plural inputs
- 2 455/250.1 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/230 .Local control of receiver operation
 455/232.1 ..Gain control
 455/234.1 ...Automatic
 455/250.1 Automatic gain control to improve strong

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signal handling

- 2 455/265 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/230 .Local control of receiver operation
455/255 ..Local oscillator frequency control
455/257 ...Automatic
455/265With local oscillator synchronization or
locking
- 2 455/266 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/230 .Local control of receiver operation
455/266 ..Selectivity or bandwidth control
- 2 455/286 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/269 .With wave collector (e.g., antenna)
455/280 ..With coupling to a stage of the receiver
455/283 ...Undesired signal or noise control (e.g.,
antistatic)
455/286Wave filter, coil, or wave trap
- 2 455/296 (1 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/296 .Noise or interference elimination
- 2 455/297 (2 OR, 0 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/296 .Noise or interference elimination
455/297 ..In vehicle
- 2 455/298 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/296 .Noise or interference elimination
455/298 ..Originating in power supply

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- 2 455/302 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/296 .Noise or interference elimination
 - 455/302 ..Image frequency suppression
- 2 455/312 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/296 .Noise or interference elimination
 - 455/312 ..In demodulator or low frequency (e.g., audio frequency)
- 2 455/339 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/334 .With particular receiver circuit
 - 455/338 ..Coupling or decoupling between stages
 - 455/339 ...Band pass filter
- 2 455/413 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/403 RADIOTELEPHONE SYSTEM
 - 455/412.1 .Message storage or retrieval
 - 455/413 ..Voice mail
- 2 455/414.1 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/403 RADIOTELEPHONE SYSTEM
 - 455/414.1 .Special service
- 2 455/42 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
 - 455/42 .Frequency or phase modulation
- 2 455/456.1 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/403 RADIOTELEPHONE SYSTEM
 - 455/422.1 .Zoned or cellular telephone system
 - 455/456.1 ..Location monitoring
- 2 455/503 (1 OR, 1 XR)

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Class	455	:	TELECOMMUNICATIONS
455/39			TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
455/500			.Plural transmitters or receivers (i.e., more than two stations)
455/501			..Noise, distortion, or singing reduction
455/502			...Synchronized stations
455/503		Simulcast system

2 455/517 (0 OR, 2 XR)

Class	455	:	TELECOMMUNICATIONS
455/39			TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
455/500			.Plural transmitters or receivers (i.e., more than two stations)
455/507			..Central station (e.g., master, etc.)
455/517			...To or from mobile station

2 455/524 (0 OR, 2 XR)

Class	455	:	TELECOMMUNICATIONS
455/39			TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
455/500			.Plural transmitters or receivers (i.e., more than two stations)
455/507			..Central station (e.g., master, etc.)
455/517			...To or from mobile station
455/524		Multiple base stations

2 455/563 (0 OR, 2 XR)

Class	455	:	TELECOMMUNICATIONS
455/73			TRANSMITTER AND RECEIVER AT SAME STATION (E.G. TRANSCEIVER)
455/550.1			.Radiotelephone equipment detail
455/563			..Having voice recognition or synthesization

2 455/61 (0 OR, 2 XR)

Class	455	:	TELECOMMUNICATIONS
455/39			TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
455/61			.Single message via plural modulation of single carrier

2 455/67.16 (0 OR, 2 XR)

Class	455	:	TELECOMMUNICATIONS
455/39			TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

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- 455/67.11 .Having measuring, testing, or monitoring of
system or part
- 455/67.16 ..Phase measuring (e.g., group delay,
propagation effect, etc.)

- 2 455/68 (1 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/68 .With control signal

- 2 455/76 (1 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCIVER)
455/75 .With frequency stabilization (e.g., automatic
frequency control)
455/76 ..Synthesizer

- 2 455/77 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCIVER)
455/77 .With tuning

- 2 455/99 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/91 TRANSMITTER
455/95 .Mobile or portable
455/99 ..With vehicle

- 2 701/301 (2 OR, 0 XR)
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
RELATIVE LOCATION
701/300 RELATIVE LOCATION
701/301 .Collision avoidance

- 2 725/105 (0 OR, 2 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM
COMMUNICATION

- 2 725/11 (1 OR, 1 XR)
Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/9 USE SURVEYING OR MONITORING (E.G., PROGRAM OR
CHANNEL WATCHED)

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725/10 .Monitoring physical reaction or presence of viewer

725/11 ..With entry of user identification

2 725/114 (1 OR, 1 XR)

Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM COMMUNICATION

725/114 .Server or headend

2 725/119 (0 OR, 2 XR)

Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM COMMUNICATION

725/118 .Transmission network

725/119 ..Having significant intermediate network unit (e.g., hub, substation, etc.)

2 725/123 (0 OR, 2 XR)

Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/105 VIDEO DISTRIBUTION SYSTEM WITH UPSTREAM COMMUNICATION

725/118 .Transmission network

725/121 ..Return path

725/123 ...Wireless return path

2 725/13 (1 OR, 1 XR)

Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/9 USE SURVEYING OR MONITORING (E.G., PROGRAM OR CHANNEL WATCHED)

725/13 .Manual entry (e.g., using keypad or by written response)

2 725/15 (0 OR, 2 XR)

Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/9 USE SURVEYING OR MONITORING (E.G., PROGRAM OR CHANNEL WATCHED)

725/14 .By passively monitoring receiver operation

725/15 ..By detecting local oscillator or IF signal

2 725/19 (1 OR, 1 XR)

Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/9 USE SURVEYING OR MONITORING (E.G., PROGRAM OR CHANNEL WATCHED)

725/14 .By passively monitoring receiver operation

725/19 ..By use of pattern recognition or signature

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- 2 725/24 (1 OR, 1 XR)
 Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
 725/24 INTERACTIVE OPINION POLLING

- 2 725/32 (0 OR, 2 XR)
 Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
 725/32 PROGRAM, MESSAGE, OR COMMERCIAL INSERTION OR
 SUBSTITUTION

- 2 725/34 (2 OR, 0 XR)
 Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
 725/32 PROGRAM, MESSAGE, OR COMMERCIAL INSERTION OR
 SUBSTITUTION
 725/34 .Specific to individual user or household

- 2 725/35 (2 OR, 0 XR)
 Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
 725/32 PROGRAM, MESSAGE, OR COMMERCIAL INSERTION OR
 SUBSTITUTION
 725/35 .Based on demographics or geographical area

- 2 725/61 (0 OR, 2 XR)
 Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
 725/37 OPERATOR INTERFACE
 725/61 .Interactive program selection

- 2 725/65 (1 OR, 1 XR)
 Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
 725/63 SATELLITE VIDEO DISTRIBUTION SYSTEM
 725/64 .Two-way
 725/65 ..Return path

- 2 725/66 (1 OR, 1 XR)
 Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
 725/63 SATELLITE VIDEO DISTRIBUTION SYSTEM
 725/64 .Two-way
 725/65 ..Return path
 725/66 ...Terrestrial return path

- 2 968/DIG 1 (0 OR, 2 XR)
 Class 968 : HOROLOGY
 968/DIG 1 PAPER COPIES IN NUMERICAL ORDER OF ALL U.S.
 PATENTS IN SUBCLASSES 2-977

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Most Frequently Occurring Classifications of Patents Returned
From A Search of 09857099 on April 11, 2005

Original Classifications

12	455/186.1
10	455/2.01
7	455/161.2
6	455/161.3
6	455/165.1
6	725/14
5	348/731
5	381/15
5	455/182.1
4	455/193.1
4	455/228
4	455/66.1
4	725/18
3	348/473
3	348/725
3	348/733
3	381/16
3	455/158.3
3	455/158.5
3	455/164.1
3	455/166.1
3	455/166.2
3	455/181.1
3	455/194.1
3	455/45
2	343/713
2	348/555
2	348/724
2	348/729
2	370/312
2	375/316
2	380/200
2	381/107
2	381/2
2	455/142
2	455/154.2
2	455/160.1
2	455/161.1
2	455/175.1
2	455/180.1
2	455/183.1
2	455/192.2
2	455/260

2 455/297
2 455/344
2 701/301
2 725/34
2 725/35

Cross-Reference Classifications

41 455/186.1
18 455/184.1
12 455/45
11 455/183.1
9 348/725
9 455/161.3
8 455/165.1
8 455/166.2
8 455/186.2
8 455/260
7 455/185.1
7 455/194.1
7 455/345
6 348/731
6 455/154.1
6 455/158.4
6 455/188.1
6 725/18
5 348/735
5 455/103
5 455/158.2
5 455/158.5
5 455/166.1
5 455/182.2
5 455/351
5 455/67.11
5 725/122
4 348/555
4 348/558
4 348/726
4 381/15
4 455/158.1
4 455/168.1
4 455/180.1
4 455/192.2
4 455/212
4 455/214
4 455/344
4 455/566
4 455/67.13
4 725/131

4 725/21
4 725/9
3 331/1A
3 334/15
3 334/86
3 348/554
3 348/570
3 348/729
3 370/528
3 381/2
3 455/102
3 455/132
3 455/150.1
3 455/152.1
3 455/154.2
3 455/160.1
3 455/179.1
3 455/183.2
3 455/192.1
3 455/195.1
3 455/208
3 455/226.4
3 455/249.1
3 455/315
3 455/347
3 455/350
3 455/418
3 455/501
2 331/16
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PLUS Search Results for S/N 09857099, Searched April 11, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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